

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/825,891	GOLDFARB ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Linh M. Nguyen	2816	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment & RCE filed 10/24/06.
2. ☒ The allowed claim(s) is/are 3-6,8-10,12-15,17,19-25,27,28 and 30-35.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9. <input type="checkbox"/> Other _____.   |

### **DETAILED ACTION**

This is a response to Applicants amendment and RCE filed 10/24/2006. By virtue of this amendment, claims 1-2, 7, 11, 16, 18, 26 and 29 are canceled, claims 31-35 are newly added; thus, claims 3-6, 8-10, 12-15, 17, 19-25, 27-28 and 30-35 are currently presented in the instant application.

#### ***RCE acknowledgement/ Prosecution reopened***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after a final office action or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 10/24/2006 has been entered.

#### ***Allowable Subject Matter***

2. Claims 3-6, 8-10, 12-15, 17, 19-25, 27-28 and 30-35 are allowed.

#### ***Reasons for Allowance***

3. The following is an examiner's statement of reasons for allowance:

The closest prior art fails to disclose or fairly suggest:

a) A generator, in which the controller further includes a generator that responds to a first clock signal to provide a second clock signal, an enable signal and a subsequent disable signal; a first gate that passes the second clock signal in response to the enable signal and blocks the second clock signal in response to the disable signal; and a second gate that passes the second

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clock signal from the first gate to the counter in response to the pulse train, in combination with the remaining claimed limitations, as called for in claim 3;

b) A generator, in which the comparator comprises upper and lower comparators that respectively respond to upper and lower predetermined threshold signals, in combination with the remaining claimed limitations, as called for in claim 9;

c) A generator, in which the controller further includes a differential pair of amplifiers that transfers a common mode level of the reference signal to the string of resistors, in combination with the remaining claimed limitations, as called for in claim 15;

d) A generator, in which the controller further includes a gate inserted to pass the clock signal to the counter in response to the comparator, in combination with the remaining claimed limitations, as called for in claim 19;

e) A generator, in which the controller includes upper and lower comparators that generate pulse trains when the reference signal exceeds predetermined threshold signal; and a gate that passes the clock signal to the counter in response to the pulse trains, in combination with the remaining claimed limitations, as called for in claim 22;

f) A synthesizer, in which the controller further includes a gate coupled to pass the clock signal to the counter; and a generator that provides an enable signal to enable the gate and a subsequent disable signal to disable the gate, in combination with the remaining claimed limitations, as called for in claim 27, and

g) A reference signal generator including an input differential pair of transistors having an output coupled to drive the string and having a differential input coupled between the filter and the junction to thereby transfer the common-mode level to the junction, an upper differential

pair of transistors that generates a first pulse train in response to its differential input which is coupled between the reference signal and a selected one of said upper tap points, and a lower differential pair that generates a second pulse train in response to its differential input which is coupled between the reference signal and a selected one of the lower tap points, in combination with the remaining claimed limitations, as called for in claim 31.

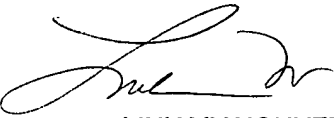
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Inquiry***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Linh M. Nguyen whose telephone number is (571) 272-1749. The examiner can normally be reached on Alternate Fri, Monday - Thursday from 7:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan can be reached on (571) 272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
**LINH MY NGUYEN**  
**PRIMARY EXAMINER**